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MORRISON & FOERSTER LLP
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URGENT

To:

NAME:	FACSIMILE:	TELEPHONE:
Examiner Stevan A. Resan U.S. PATENT AND TRADEMARK OFFICE	703-872-9306	571-272-1513

FROM: Raj S. Davé

DATE: April 6, 2005

Number of pages with cover page:	12	Originals Will <u>Not</u> Follow
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Preparer of this slip has confirmed that facsimile number given is **10126/SRM4**
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Comments:**U.S. PATENT APPLICATION SERIAL NO. 10/687,584****PLEASE IGNORE OUR PREVIOUS FAX, AS IT DID NOT INCLUDE ALL PAPERS NEEDED.****PLEASE SEE THE ENCLOSED POWER OF ATTORNEY DOCUMENTS, ALONG WITH A COPY OF THE ASSIGNMENT AND REQUEST FOR CORRECTION OF THE RECORDATION OF ASSIGNMENT FILED ON NOVEMBER 22, 2004, FOR THE ABOVE-IDENTIFIED APPLICATION.****PLEASE CONTACT OUR OFFICE, IF YOU HAVE ANY QUESTIONS.**

PTO/SB/61 (11-04)

Approved for use through 11/30/2005. OMB 0631-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	10/687,584		
	Filing Date	October 20, 2003		
	First Named Inventor	Jianwei LIU		
	Title	LUBRICANT FILM CONTAINING ADDITIVES FOR ADVANCED, etc.		
	Art Unit	1773		
	Examiner Name	S.A. Resan		
	Attorney Docket No.	146712004700		
I hereby revoke all previous powers of attorney given in the above-identified application.				
I hereby appoint:				
<input checked="" type="checkbox"/> Practitioners associated with the Customer Number: 50268 OR <input type="checkbox"/> Practitioner(s) named below:				
Name		Registration Number	Name	Registration Number
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.				
Please recognize or change the correspondence address for the above-identified application to:				
<input type="checkbox"/> The address associated with the above-mentioned Customer Number: OR <input type="checkbox"/> The address associated with Customer Number:				
<input type="checkbox"/> Firm or Individual Name				
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City	State	Zip		
Country	Telephone	Fax		
I am the:				
<input type="checkbox"/> Applicant/Inventor. <input checked="" type="checkbox"/> Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)				
SIGNATURE of Applicant or Assignee of Record				
Signature	<i>Raghu Minisandram</i>		Date	11/5/05
Name	Raghu Minisandram		Telephone	831-439-7319
Title and Company	Senior Director of Intellectual Property			
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.				
<input checked="" type="checkbox"/> *Total of 1 forms are submitted.				

PTO/SB/86 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Jianwei LIU et al.Application No./Patent No.: 10/687,584Filed/Issue Date: October 20, 2003Entitled: LUBRICANT FILM CONTAINING ADDITIVES FOR ADVANCED TRIBOLOGICAL
PERFORMANCE OF MAGNETIC STORAGE MEDIUMSEAGATE TECHNOLOGY LLC

(Name of Assignee)

, a

Limited Liability Company

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Raghunath S. Minisandram
Signature

4/5/05
Date

Raghunath S. Minisandram

Printed or Typed Name

831-439-7319

Telephone Number

Senior Director of Intellectual Property

Title

Error! Unknown document property name.
va-99131

Error! Unknown document property name.

Inventor: Jianwei LIU et al.

Atty Docket No.: 148712004700

Application No.: 10/887,584

Filing Date: October 20, 2003

Title: LUBRICANT FILM CONTAINING ADDITIVES FOR ADVANCED
TRIBOLOGICAL PERFORMANCE OR MAGNETIC STORAGE
MEDIUM

Documents Filed:

Request for Correction of Recordation
Recordation Cover Sheet
Copy of Notice of Recordation of Assignment
document
Copy of Original Recordation Cover Sheet
Copy of Assignment
Copy of Original Postcard



Via: Hand Carry via PTO Courier
Sender's Initials: RSD/kmo

Date: November 22, 2004

va-85303

DOCKETED

kd

PATENT
Docket No. 146712004700

CERTIFICATE OF HAND DELIVERY

I hereby certify that this correspondence is being hand filed with the United States Patent and Trademark Office in Alexandria, Virginia on November 22, 2004.


Karin M. Oberhoff

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Jianwei LIU et al.

Serial No.: 10/687,584

Filing Date: October 20, 2003

For: LUBRICANT FILM CONTAINING
ADDITIVES FOR ADVANCED
TRIBOLOGICAL PERFORMANCE OR
MAGNETIC STORAGE MEDIUM

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

REQUEST FOR CORRECTED NOTICE OF RECORDATION OF
ASSIGNMENT UNDER 37 CFR 3.51

BOX ASSIGNMENT
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Notice of Recordation of Assignment which was recorded on October 20, 2003 at Reel 014629, Frame 0064, did not correctly identify the Assignee's name. The error occurred

va-85287

upon the preparation of the Recordation Form Cover Sheet. Please correct the records to read as follows:

The company name should read **SEAGATE TECHNOLOGY LLC.**

Attached is a copy of the marked-up Notice of Recordation of Assignment, a copy of the Recordation Form Cover Sheet, a copy of the assignment, a copy of the originally recorded cover sheet and a copy of the stamped postcard.

The error occurred on the part of our Office and accordingly a \$40.00 fee is due. The Commissioner is authorized to charge Deposit Account No. 03-1952, referencing docket no. 146712004700.

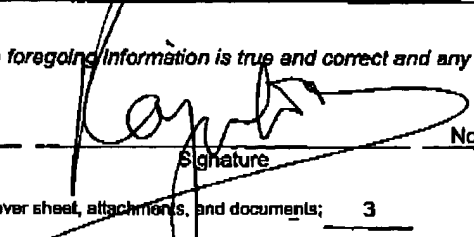
Dated: November 22, 2004

Respectfully submitted,

By: 

Raj S. Dave
Registration No. 42,465

Morrison & Foerster LLP
2000 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20006-1888
TELEPHONE: (202) 887-1500
FACSIMILE: (202) 887-0763

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Jianwei LIU (10/17/2003), Michael STIRNIMAN (10/17/2003), and Jing GUI (10/17/2003) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: SEAGATE TECHNOLOGY LLC Internal Address: _____ Street Address: 920 Disc Drive, Building 15 P.O. Box 66360 City: Scotts Valley State: CA Zip: 95067-0360 Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: see Box 1, conveying parties			4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: October 17, 2003 A. Patent Application No.(s): This application B. Patent No.(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Raj S. Dave MORRISON & FOERSTER LLP Internal Address: Atty. Dkt.: 146712004700 Street Address: 1650 Tysons Blvd, Suite 300 City: McLean State: VA Zip: 22102			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed) 8. Deposit account number: 03-1952 (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Raj S. Dave - 42,485 Name of Person Signing </div> <div style="width: 30%; text-align: center;">  Signature </div> <div style="width: 20%; text-align: center;"> November 22, 2004 Date </div> </div> <div style="text-align: center; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: <u>3</u> </div>					

VA-85289

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 19, 2004

PTAS



102586119A

MORRISON & FOERSTER LLP
RAJ S. DAVE
1650 TYSONS BLVD., SUITE 300
MCLEAN, VA 22102UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/20/2003

REEL/FRAME: 014629/0064

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LIU, JIANWEI

DOC DATE: 10/17/2003

ASSIGNOR:

STIRNIMAN, MICHAEL

DOC DATE: 10/17/2003

ASSIGNOR:

GUI, JING

DOC DATE: 10/17/2003

ASSIGNEE:

SEAGATE TECHNOLOGY
920 DISC DRIVE, BUILDING 15
P.O. BOX 66360
SCOTTS VALLEY, CALIFORNIA
95067-
0360

014629/0064 PAGE 2

SERIAL NUMBER: 10687584

FILING DATE: 10/20/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: LUBRICANT FILM CONTAINING ADDITIVES FOR ADVANCED TRIBOLOGICAL
PERFORMANCE OF MAGNETIC STORAGE MEDIUM

DOCKET NUMBER: 146712004700

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

10-29-2003

10-20-03

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		REC		102586119		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof							
1. Name of conveying party(ies): Jianwei LIU (10/17/2003), Michael STIRNIMAN (10/17/2003), and Jing GUI (10/17/2003)				2. Name and address of receiving party(ies) Name: SEAGATE TECHNOLOGY Internal Address: Street Address: 920 Disco Drive, Building 15 P.O. Box 66360			
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				City: Scotts Valley State: CA Zip: 95067-0360 Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other				Execution Date: see Box 1, conveying parties			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: October 17, 2003 A. Patent Application No.(s): This application B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				10687584			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Raj S. Dave' MORRISON & FOERSTER LLP Internal Address: Atty. Dkt.: 146712004700 Street Address: 1650 Tysons Blvd, Suite 300 City: McLean State: VA Zip: 22102				6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed) 8. Deposit account number: 03-1952 (Attach duplicate copy of this page if paying by deposit account)			
DO NOT USE THIS SPACE							
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Raj S. Dave' - 42,465 Name of Person Signing Signature Date October 20, 2003 Total number of pages including cover sheet, attachments, and documents: 3							

17497 U.S. PTO
10/687584

102003

10/28/2003 DBYRNE 00000199 031952 10687584
01 FC:8021 40.00 DA

VA-47275

ASSIGNMENT

Attorney Docket No. :146712004700

Seagate Docket No. : STL3380.00

WHEREAS, I/we Jianwei LIU residing at 3695 Stevenson Blvd., #212, Fremont, CA 94538, USA; Michael Joseph Stirniman residing at 2801 Clymer Ln., Fremont, CA 94538, USA; and Jing GUI residing at 380 Pine Street, Fremont, CA 94539, USA, the inventor(s) of an invention entitled **LUBRICANT FILM CONTAINING ADDITIVES FOR ADVANCED TRIBOLOGICAL PERFORMANCE OF MAGNETIC STORAGE MEDIUM** that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____; and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

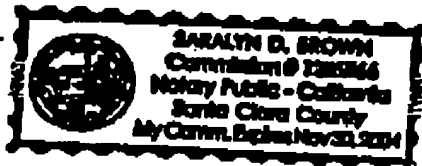
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

Jianwei LIU
Jianwei LIU (Inventor)
Fremont, CA

Subscribed and sworn to before me at 47010 Kato Rd., Fremont, CA, a Notary Public, this 17th day of October, 2003.

(SEAL)

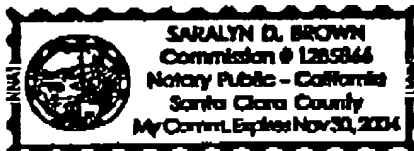


Saralyn D. Brown
Notary Public

Michael Joseph STIRNIMAN
Michael Joseph STIRNIMAN (Inventor)

Subscribed and sworn to before me at 47010 Kato Rd., Fremont, CA, a Notary Public, this 17 day of October, 2003.

(SEAL)

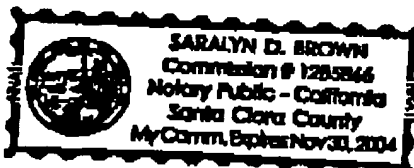


Saralyn D. Brown
Notary Public

Jing GUI
Jing GUI (Inventor)

Subscribed and sworn to before me at 47010 Kato Rd., Fremont, CA, a Notary Public, this 17 day of October, 2003.

(SEAL)



Saralyn D. Brown
Notary Public

va-47063

-2-

Docket No. 146712004700